

Title (en)

METHOD FOR REGULATING ACCESS BY CONCURRENT TRANSACTIONS TO RESOURCES

Publication

EP 0286807 A3 19901219 (EN)

Application

EP 88102730 A 19880224

Priority

US 3789587 A 19870413

Abstract (en)

[origin: EP0286807A2] A method for regulating access by concurrent transactions to hierarchically-related resources distributed about a loosely-coupled multiprocessor system is disclosed. Lock requests are first decided by a local lock manager (2a...2n) and then by a central lock manager (1). When a single local lock manager (2a...2n) holds locks on a resource, that local lock manager has sole interest in the resource. While a lock manager has sole interest in a resource, it can acquire locks subsidiary to the resource without consulting with the central lock manager (1). Sole interests of objects are shifted dynamically for optimising local control of objects, thereby minimising communication and transaction wait time.

IPC 1-7

G06F 9/46

IPC 8 full level

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CPC (source: EP)

G06F 9/466 (2013.01); **G06F 9/50** (2013.01)

Citation (search report)

- [X] EP 0013301 A1 19800723 - IBM [US]
- [Y] C.J. DATE: "An introduction to database systems", vol. 2, 1985, Addison Wesley, Massachusetts, US: paragraph 3.11, "Intent locking"

Cited by

US6618744B1; US6697901B1; US5805900A; EP0389242A3; US5649184A; US7209990B2; US10459810B2

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